

PATENT APPLICATION: 2780-199 DIV 2

**APPENDIX A****Clean Copy of Pending Claims 1-3**

1. A method of milk separation, comprising separating milk by cross-flow membrane filtration to recover at least one nutraceutical milk product therefrom, wherein said method does not include recirculation of any chromatography resins in cross-flow filter.
2. The method of claim 1, wherein the nutraceutical milk product comprises a material selected from the group consisting of fats, lipids, insoluble casein, immunoglobulins, albumin, betalactoglobulin, alpha-lactalbumin, complex carbohydrates, siallylactose, simple carbohydrates, lactose.
3. The method of claim 1, wherein the cross-flow membrane filtration is carried out in a cross-flow filtration module including a filter with geometrically regular subchannels geometrically corresponding to one another in a flow passage for said filtration, wherein operating conditions and/or said subchannels have been optimized with respect to shear rate and/or permeate diffusion.